



Library	Sequence	Incidence
Ph.D.-12	HPLKQY WWR PSI-----	22/26
Ph.D.-12	-----PI WWR HSGGPIL-	1/26
Ph.D.-12	-----Y WWR DAPVSQGR	1/26
Ph.D.-12	SYPTD KW IKPG-----	1/26
Ph.D.-7	-----VQ WWR PT-----	7/15
Ph.D.-7	-----N WWR RPLP-----	1/15
Ph.D.-7	-----G KW WVFD-----	1/15
Ph.D.-7	-VPT KP WW-----	1/15
Ph.D.-C7C	-----P WWR TS K -----	6/15
Ph.D.-C7C	-----P WWR KASS-----	1/15
Ph.D.-C7C	---TPT WWR T-----	1/15
Ph.D.-C7C	---APT WWR KS-----	1/15
Ph.D.-C7C	----- WW TSAS R ---	1/15
Ph.D.-C7C	---S AR WWQP-----	1/15

FIG.1

BEST AVAILABLE COPY

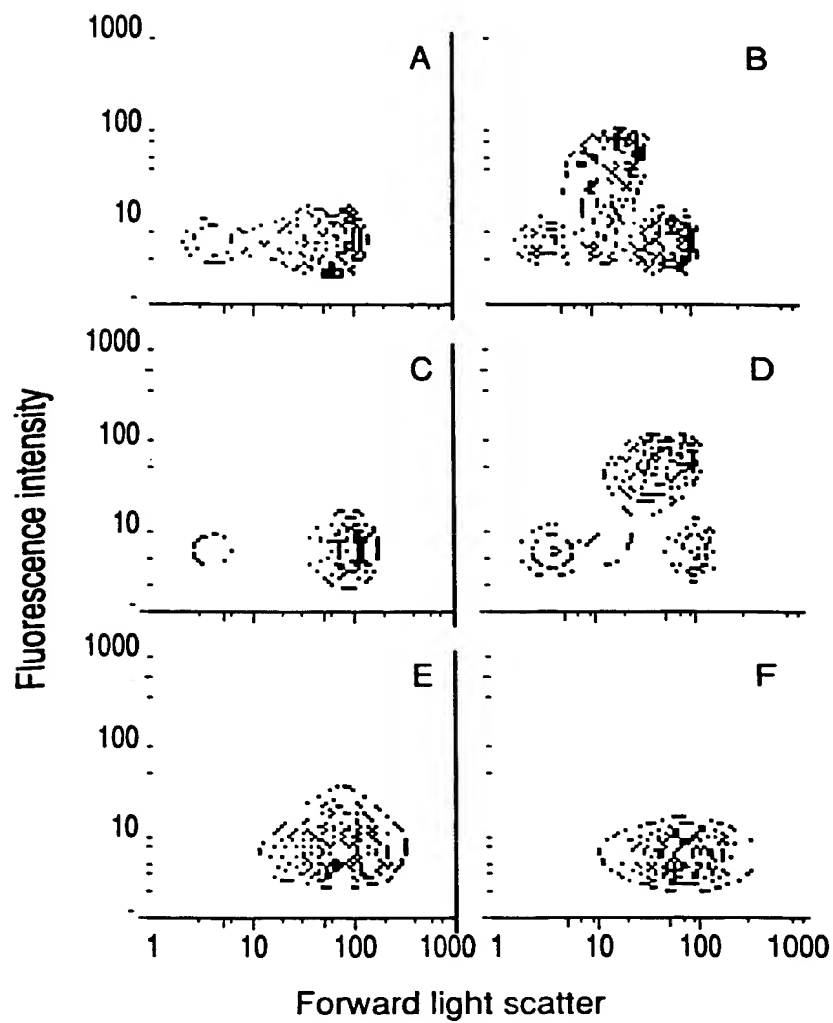


FIG.2

BEST AVAILABLE COPY

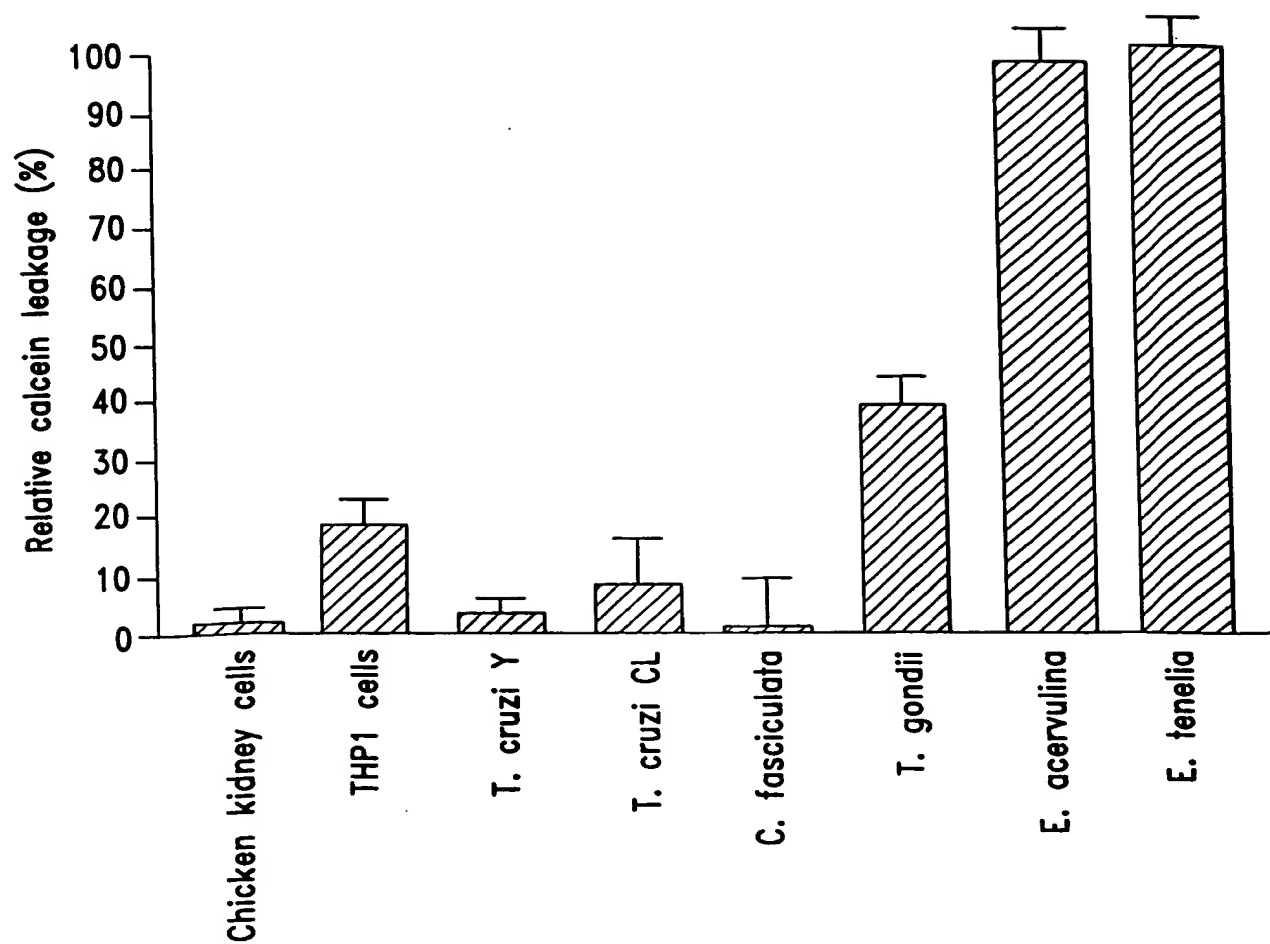


FIG. 3A

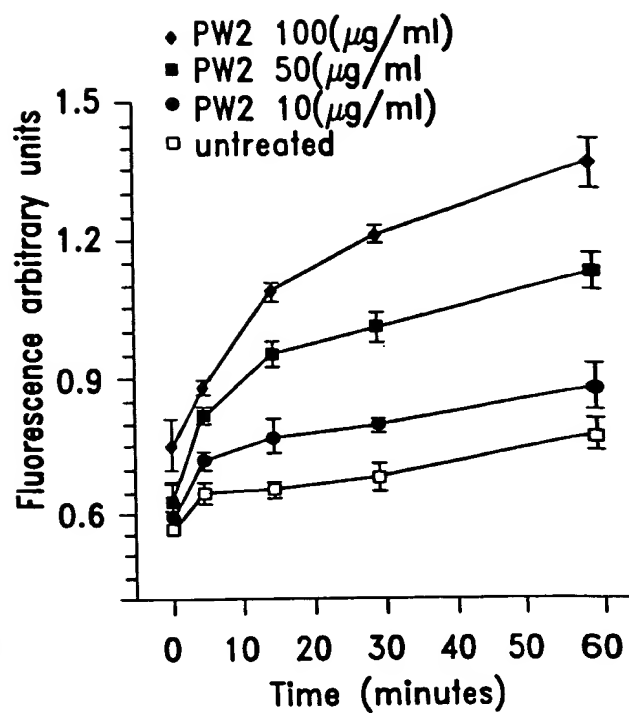


FIG. 3B

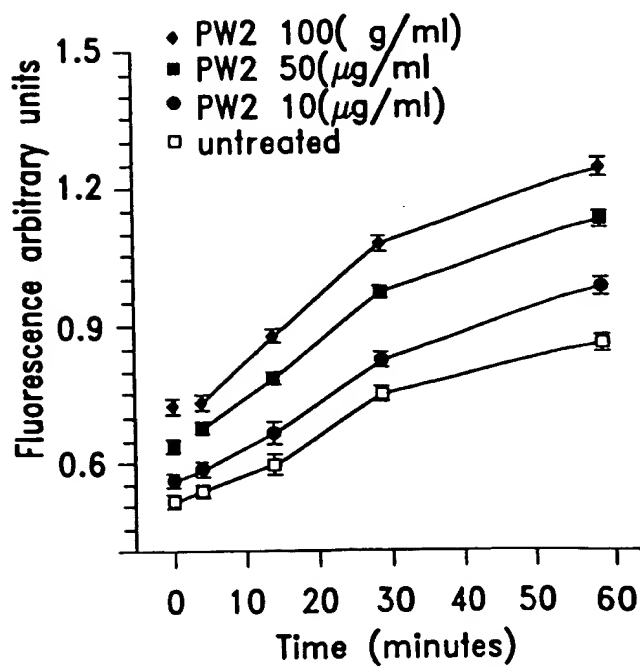


FIG. 3C



FIG. 4A



FIG. 4B

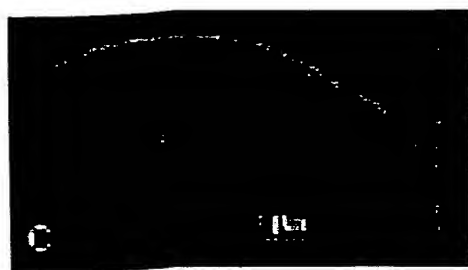


FIG. 4C



FIG. 4D



FIG. 4E



FIG. 4F



FIG. 4G



FIG. 4H

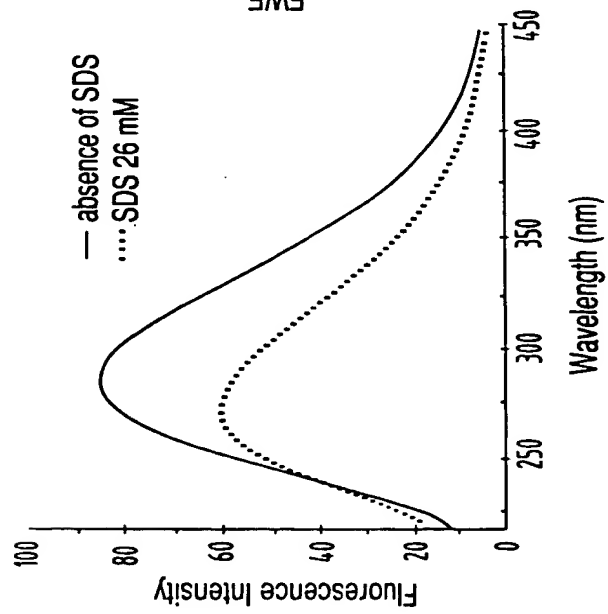


FIG. 5A

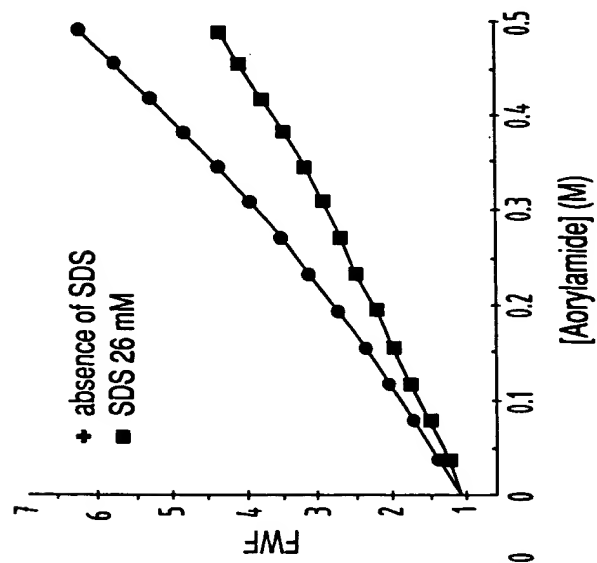


FIG. 5B

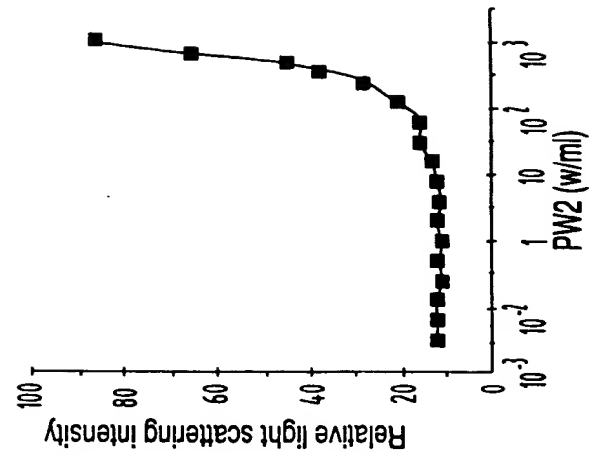
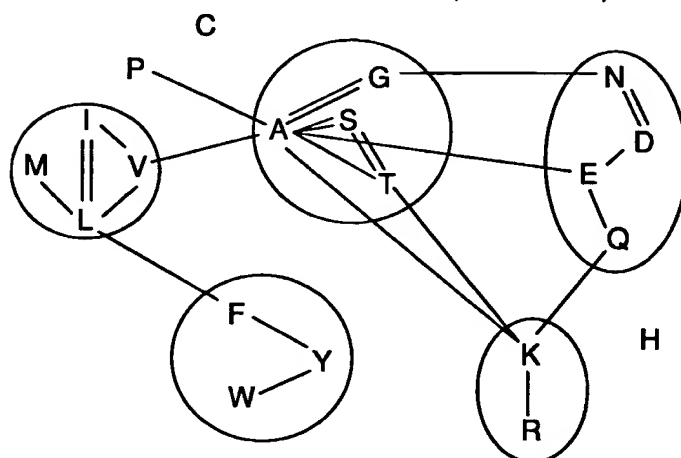


FIG. 5C



Suggested Amino Acid Substitutions
 solvent exposed ($SEA^2 > 30 \text{ \AA}^2$) / interior ($SEA^2 < 10 \text{ \AA}^2$)



Amino acids connected by a solid line can be substituted with 95% confidence
 (D. Bordo and P. Argus, J. Mol. Biol. 217(1991)721-729)
²SEA=solvent exposed area

Figure 6